

WEST



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DERWENT-WEEK: 200282
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TITLE: Conducting a contactless remote enquiry in SAW acoustic channel e.g. for temperature measurement - involves feeding inquiry and answer signals through common delay enhancing signal path before or after coding channels to separate responding signal from interfering environment reflections

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PATENT-ASSIGNEE:

ASSIGNEE	CODE
BAUMER IDENT AG	BAUMN
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PRIORITY-DATA: 1996CH-0000135 (January 18, 1996)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
DE 59708649 G	December 12, 2002		000	G01S013/02
WO 9726555 A1	July 24, 1997	G	043	G01S013/02
AU 9715436 A	August 11, 1997		000	G01S013/02
EP 815469 A1	January 7, 1998	G	000	G01S013/02
EP 815469 B1	November 6, 2002	G	000	G01S013/02

DESIGNATED-STATES: AU CN JP KR US AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE
CH DE FR LI SE CH DE FR LI SE

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APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
DE 59708649G	January 20, 1997	1997DE-0508649	
DE 59708649G	January 20, 1997	1997EP-0901567	
DE 59708649G	January 20, 1997	1997WO-EP00256	
DE 59708649G		EP 815469	Based on
DE 59708649G		WO 9726555	Based on
WO 9726555A1	January 20, 1997	1997WO-EP00256	
AU 9715436A	January 20, 1997	1997AU-0015436	
AU 9715436A		WO 9726555	Based on
EP 815469A1	January 20, 1997	1997EP-0901567	
EP 815469A1	January 20, 1997	1997WO-EP00256	
EP 815469A1		WO 9726555	Based on
EP 815469B1	January 20, 1997	1997EP-0901567	
EP 815469B1	January 20, 1997	1997WO-EP00256	
EP 815469B1		WO 9726555	Based on

INT-CL (IPC): G01 S 13/02; H03 H 9/42

ABSTRACTED-PUB-NO: WO 9726555A
BASIC-ABSTRACT:

The method involves an interrogating station (1) transmitting an interrogation signal to a mobile transponder (2), which receives the signal via an antenna (10), couples it into several coding channels (14.1-14.6), converts it into a coded response signal and transmits the result back to the interrogating station.

The interrogation and responding signals are fed in the transponder through a common delay time enhancing signal path (12) connected before or after the coding channels in order to separate the response signal from the interfering environment reflections of the interrogation signal.

ADVANTAGE - Noise interference signals are effectively eliminated and a cost-effective arrangement used involving surface acoustic wave elements.

CHOSEN-DRAWING: Dwg.1/7

TITLE-TERMS: CONDUCTING CONTACT REMOTE ENQUIRY SAW ACOUSTIC CHANNEL TEMPERATURE
MEASURE FEED ENQUIRY ANSWER SIGNAL THROUGH COMMON DELAY ENHANCE SIGNAL PATH AFTER
CODE CHANNEL SEPARATE RESPOND SIGNAL INTERFERENCE ENVIRONMENT REFLECT

DERWENT-CLASS: S02 U14 V06 W02 W05 W06

EPI-CODES: S02-K08A; U14-G; V06-K01; V06-K05; W02-G05A; W02-G05B; W05-D04A5;
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